

We claim:

1. A colorless and low-emission plastic, comprising at least one zeolite of structural type ZSM-5, which has a maximum adsorption capacity for water at 25°C and 4.6 torr of 10 wt% with respect to the weight of the zeolite.

5 2. The plastic as in Claim 1, wherein the zeolite added to the plastic has a molar Si/Al ratio of at least 15.

3. The plastic as in Claim 1, wherein the zeolite added to the plastic has a molar Si/Al ratio of from 50-500.

10 4. The plastic as in Claim 1, wherein the zeolite fraction in the ready-to-use plastic is 0.01-10 wt%, with respect to the weight of the plastic that is used.

5. The plastic as in Claim 2, wherein the zeolite fraction in the ready-to-use plastic is 0.01-10 wt%, with respect to the weight of the plastic that is used.

6. The plastic as in Claim 1, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

15 7. The plastic as in Claim 2, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

8. The plastic as in Claim 3, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

20 9. The plastic as in Claim 4, wherein the zeolite fraction in the ready-to-use plastic is 0.01-2 wt%, with respect to the weight of the plastic that is used.

10. The plastic as in Claim 1, wherein zeolite has an average particle size of less than 15 μm .

11. The plastic as in Claim 1, wherein zeolite has an average particle size of between 0.5 and 12 μm .

25 12. The plastic as in Claim 1, wherein the polymer is a member selected from the group consisting of polyvinyl chloride, polyethylene terephthalate, polystyrene, acrylonitrile butadiene styrene (ABS), polyester, polyamides, HDPE, polypropylene, especially oriented polypropylene (OPP), polyethylene and a mixture thereof with at least one other polymer material.

13. A packaging material for foods and/or drugs, formed of the plastic of Claim 1.

30 14. A structural part or decorative object for the interior of a motor vehicles, which is wholly or partially of the plastic as in Claim 1.

15. A textile fiber, which is formed wholly or partially of the plastic of Claim 1.

16. A textile fiber product which is formed wholly or partially of the plastic as in Claim 1.

17. A masterbatch for production of plastic, comprising a plastic containing at least one
5 zeolite of structural type ZSM-5, which has a maximum adsorption capacity for water at 25°C
and 4.6 torr of 10 wt%, with respect to the weight of the zeolite, and this zeolite is contained in a
fraction of a maximum of 50 wt% with respect to the weight of the ready-to-use masterbatch.